

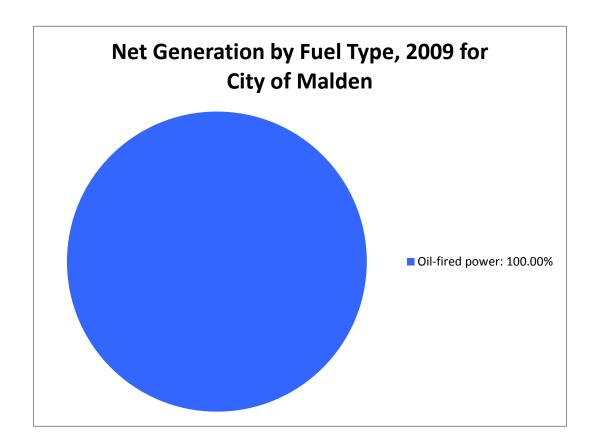
City of Malden Utility-Owned Electric Generation and Emissions in 2009

| | Fuel | Percent of | of Total | Net Electric | Percent | of Total |
|-------------------------|--------------|------------|----------|--------------|---------|----------|
| | Consumption, | | | Power | | |
| | MMBTUs | | | Generated in | | |
| | | | | 2009 (MWh) | | |
| Non-renewable sources | | | | | | |
| Coal-fired power | | | | | | |
| Natural gas-fired power | 0 | | | 0 | | |
| Oil-fired power | 10,038 | 100.00% | | 1,050 | 100.00% | |
| Nuclear power | | | | | | |
| Other non-renewable | | | | | | |
| power | | | | | | |
| Non-renewable total | 10,038 | 100.00% | 100.00% | 1,050 | 100.00% | 100.00% |
| Renewable sources | | | | | | |
| Hydroelectric Power | | | | | | |
| Wind | | | | | | |
| Waste and biomass | | | | | | |
| Solar | | | | | | |
| Geothermal | | | | | | |
| Landfill Gas | | | | | | |
| Renewable total | 0 | 0.00% | 0.00% | 0 | 0.00% | 0.00% |
| Grand total all sources | 10,038 | | 100.00% | 1,050 | | 100.00% |

| Fuel Type | Physical Units | Number of Units |
|---------------------|----------------|-----------------|
| Natural Gas | Mcf | 0 |
| Distillate Fuel Oil | Barrels | 1,731 |

12/21/2011







Emissions from Electricity Generated in 2009: City of Malden

| Plant | Carbon Dioxide (CO2) (Tons) | Carbon Monoxide (CO) | Ammonia (NH3) (Tons) | Nitrogen Oxides (NOx) (Tons) | Sulfur Dioxides (SO2) (Tons) |
|----------------|--------------------------------|-------------------------|-------------------------|---------------------------------|---------------------------------|
| | | (Tons) | | | |
| City of Malden | 139.68 | 4.92 | NV | 22.86 | 1.50 |
| Malden | 139.68 | 4.92 | NV | 22.86 | 1.50 |

| Plant | Volatile Organic Compounds (VOC) (Tons) | Course Particulate Matter (PM10 Total) (Tons) | Fine Particulate Matter (PM2.5 Total) (Tons) | Mercury (Hg) (LBS) |
|----------------|---|---|--|-----------------------|
| C:4 C M - 1.1 | 1.21 | , , , | 0.52 | NIX/ |
| City of Malden | 1.21 | 0.53 | 0.53 | NV |

'NV' = Emissions value not available.

Note: The data provided includes only generation and emissions from power plants owned by the utility. It does not include generation or emissions from power purchased by the utility and distributed to its customers.



Pollution controls installed on plants operated by City of Malden

| SO2 Controls | | | |
|--------------|---------------------------|--------------|------------------------|
| Plant | Control Equipment | Sorbent Type | Operational Efficiency |
| Malden | No SO2 Controls Installed | | |

| NOX Cont | trols | | | | |
|----------|-------|---------------------------|-------------|------------|------------|
| | Plant | Device Type | Description | Capture | Control |
| | | | _ | Efficiency | Efficiency |
| Malden | | No NOX Controls Installed | | | |



Missouri Power plants owned and operated by City of Malden in 2009

| Plant | County | Primary Fuel | Capacity (MW) | Net Generation (MWh) |
|--------|---------|---------------------|---------------|----------------------|
| Malden | Dunklin | Distillate Fuel Oil | 17 | 1,050 |

Data Sources

- Emissions Data: Missouri Department of Natural Resources, Air Pollution Control Program, Missouri Emissions Inventory System (MOEIS) http://www.dnr.mo.gov/env/apcp/moeis/emissionsreporting.htm
- CO2 Emissions calculated by Missouri Department of Natural Resources, Division of Energy, from EIA Fuel Consumption Data
- Fuel Consumption and Generation Data: United States Energy Information Administration, Form 923, United States Department of Energy http://www.eia.gov/cneaf/electricity/page/eia906_920.html